

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060025.D
 Acq On : 18 Jul 2024 18:23
 Operator : MD/SY
 Sample : P3217-22DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 19 01:36:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	145737	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	145999	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73602	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	43984	4.338	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.907	69	42116	4.471	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.560	65	17041	4.304	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.000%
20) 2-Butanone-d5	4.640	46	113160	47.734	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.460%
24) Chloroform-d	5.055	84	92286	4.331	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	5.695	65	46336	4.670	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
32) Benzene-d6	5.721	84	184507	4.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.685	67	61452	4.930	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	156630	4.432	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.177	79	19284	4.545	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.627	63	96221	51.104	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.200%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	54456	4.909	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	66314	4.992	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	26167	1.754	ug/L	97
14) Carbon disulfide	2.785	76	4129	0.127	ug/L	97
16) Methylene chloride	3.039	84	7065	0.518	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	6817	0.526	ug/L	92
33) Benzene	5.769	78	36939	0.766	ug/L	100
35) Methylcyclohexane	6.756	83	4873	0.291	ug/L	91
37) 1,2-Dichloropropane	6.685	63	6428	0.493	ug/L #	88
42) Toluene	7.965	91	47717	0.930	ug/L	98
47) Tetrachloroethene	8.550	164	4400	0.416	ug/L	97
49) Dibromochloromethane	8.547	129	3894	0.354	ug/L #	10
51) Chlorobenzene	9.441	112	8476	0.253	ug/L	93
53) m,p-Xylene	9.695	106	5648	0.286	ug/L	96
54) o-Xylene	10.097	106	9945	0.526	ug/L	82
60) Isopropylbenzene	10.479	105	5139	0.107	ug/L	96
61) 1,2,3-Trichloropropane	11.807	75	8923	1.150	ug/L #	74
62) 1,3,5-Trimethylbenzene	11.084	105	15182	0.413	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	37667	1.060	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	25610	0.971	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	109322	4.409	ug/L	96

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QLast Update : Fri Jul 19 01:30:22 2024
Response via : Initial Calibration

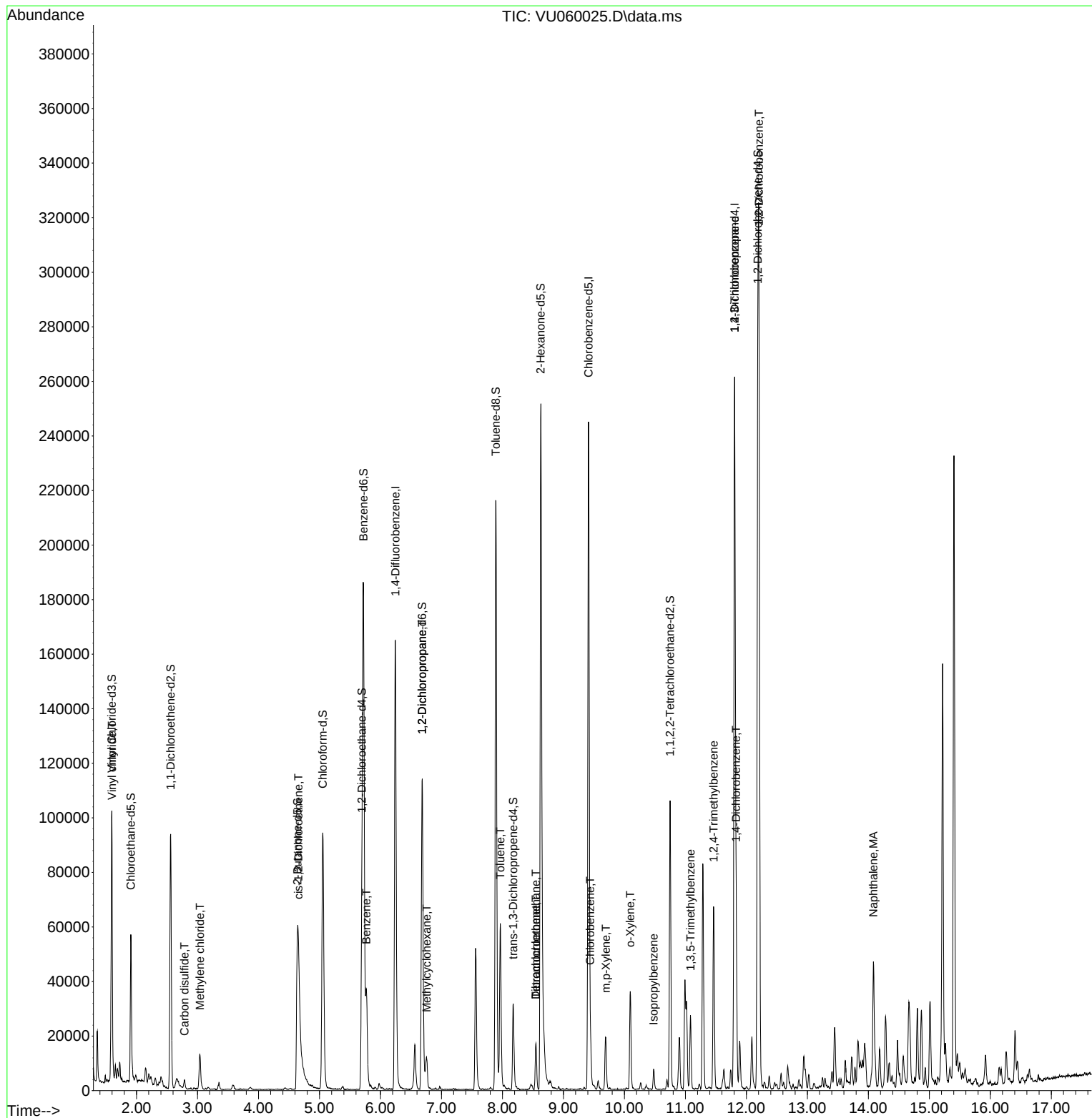
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.084	128	42271	2.005	ug/L	98

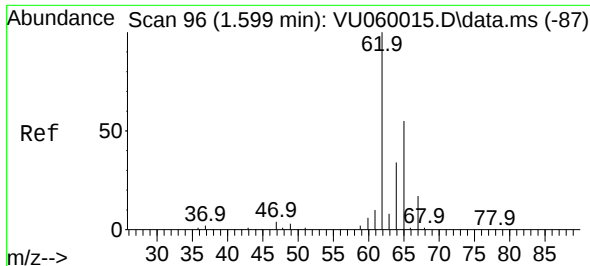
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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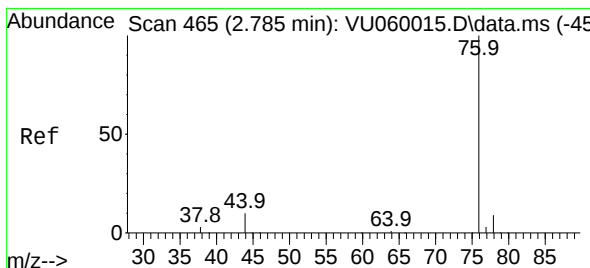
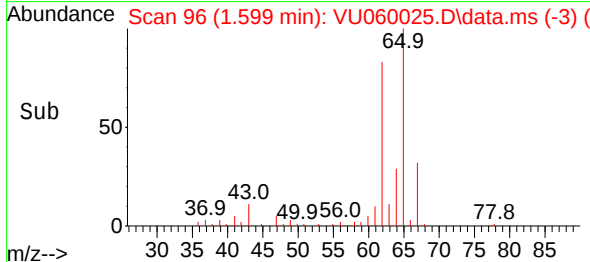
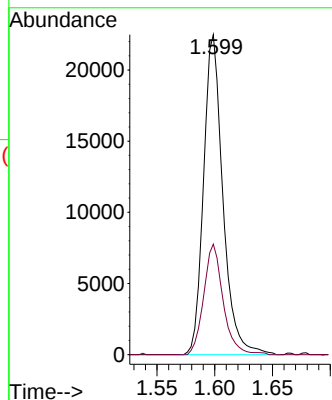
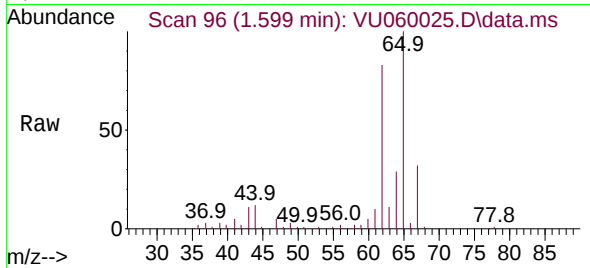




#5
 Vinyl chloride
 Concen: 1.754 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VU060025.D
 Acq: 18 Jul 2024 18:23

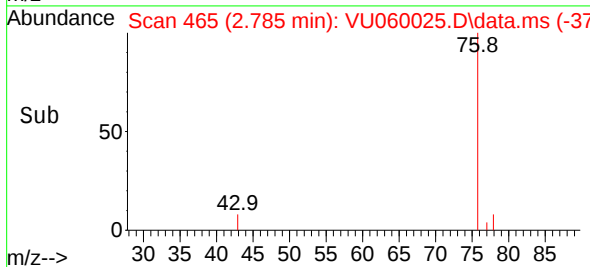
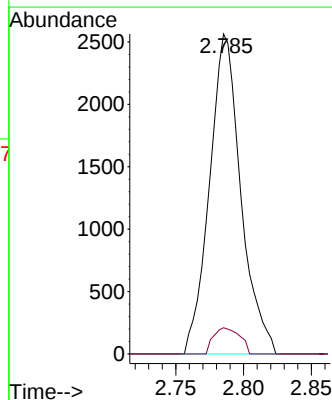
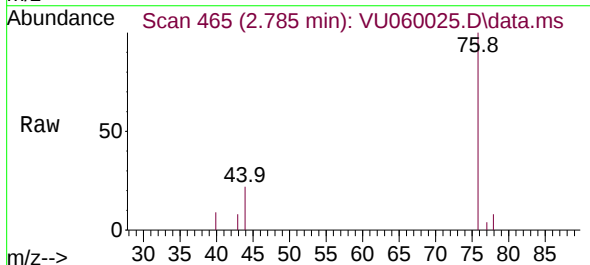
Instrument :
 MSVOA_U
 ClientSampleId :

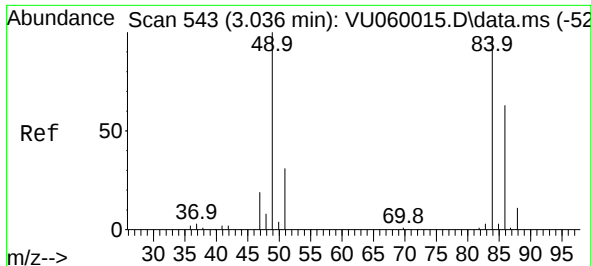
Tgt Ion: 62 Resp: 26167
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.8 42.4



#14
 Carbon disulfide
 Concen: 0.127 ug/L
 RT: 2.785 min Scan# 465
 Delta R.T. -0.000 min
 Lab File: VU060025.D
 Acq: 18 Jul 2024 18:23

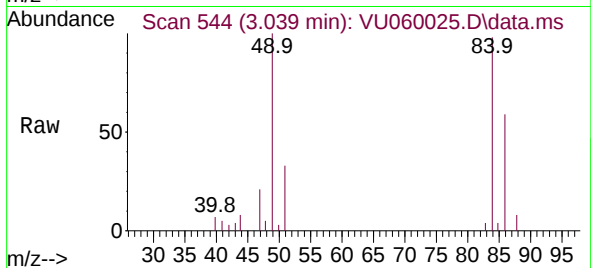
Tgt Ion: 76 Resp: 4129
 Ion Ratio Lower Upper
 76 100
 78 8.2 7.4 11.0



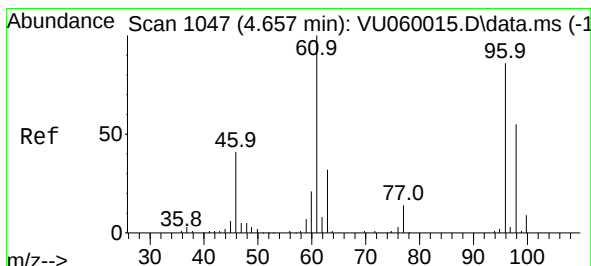
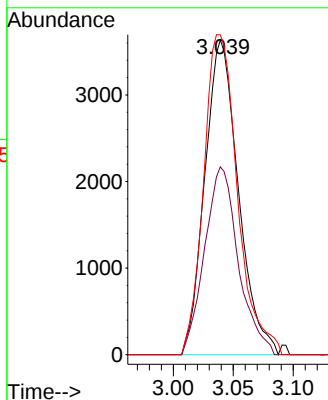
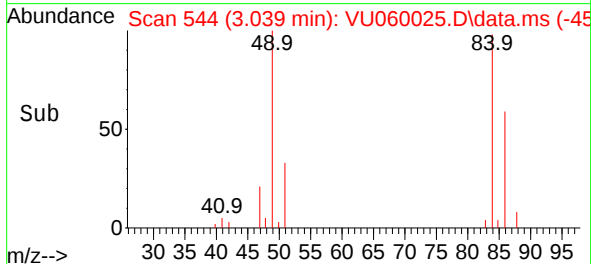


#16
Methylene chloride
Concen: 0.518 ug/L
RT: 3.039 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Instrument :
MSVOA_U
ClientSampleId :

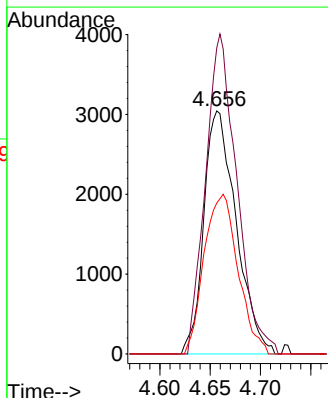
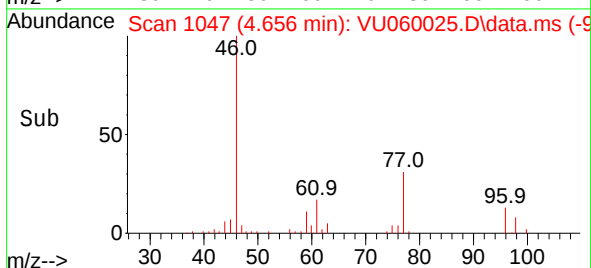
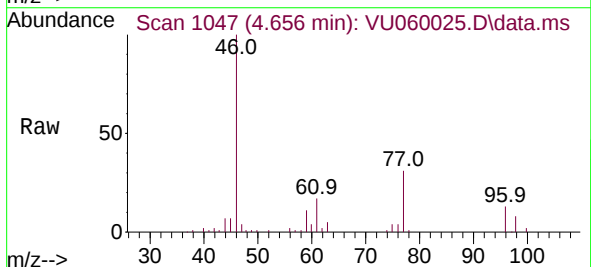


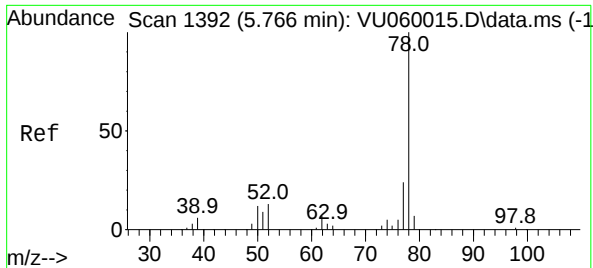
Tgt Ion: 84 Resp: 7065
Ion Ratio Lower Upper
84 100
86 59.7 44.4 82.5
49 101.7 72.0 133.6



#22
cis-1,2-Dichloroethene
Concen: 0.526 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Tgt Ion: 96 Resp: 6817
Ion Ratio Lower Upper
96 100
61 126.0 80.2 148.9
98 62.1 44.7 83.1





#33

Benzene

Concen: 0.766 ug/L

RT: 5.769 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU060025.D

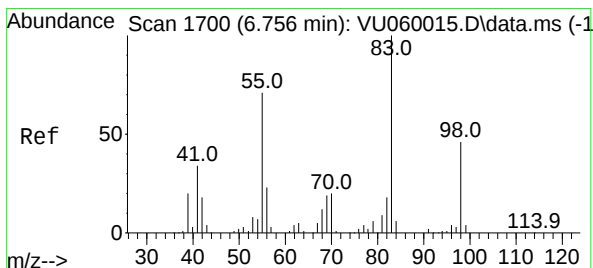
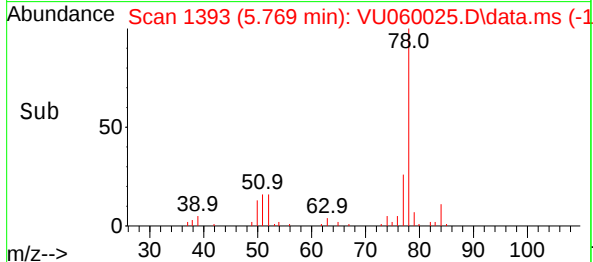
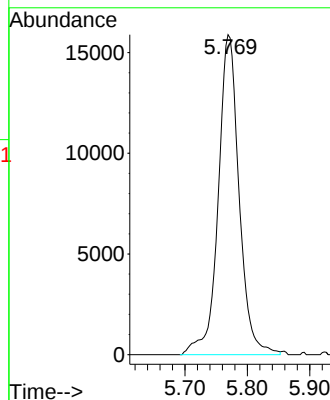
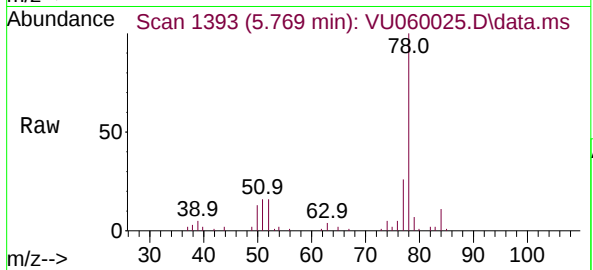
Acq: 18 Jul 2024 18:23

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 36939



#35

Methylcyclohexane

Concen: 0.291 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU060025.D

Acq: 18 Jul 2024 18:23

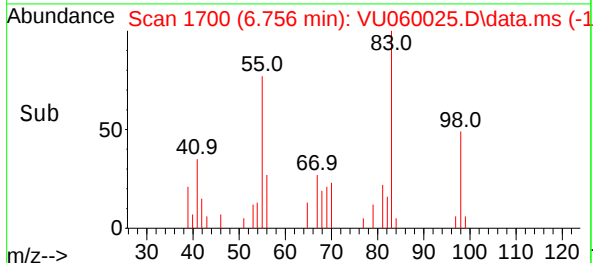
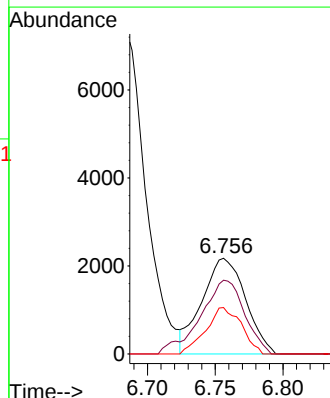
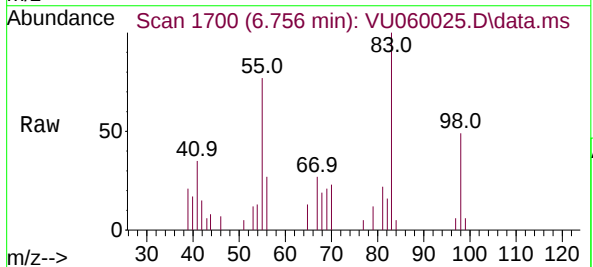
Tgt Ion: 83 Resp: 4873

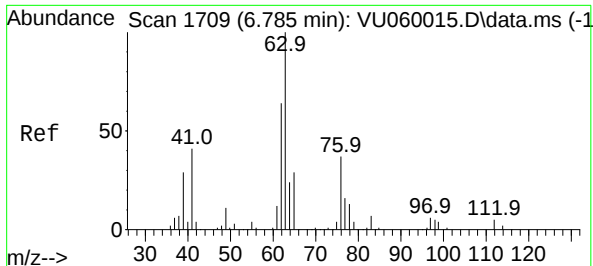
Ion Ratio Lower Upper

83 100

55 77.5 56.7 85.1

98 39.5 36.6 55.0

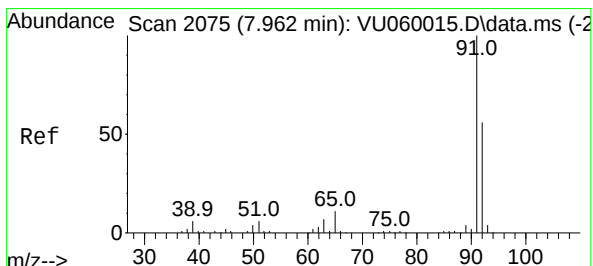
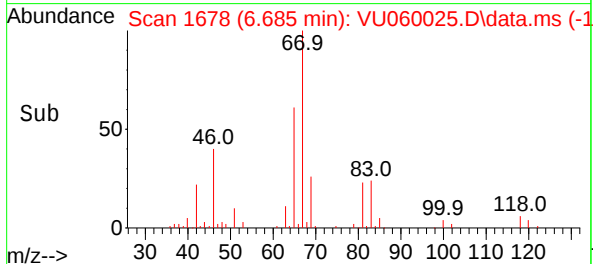
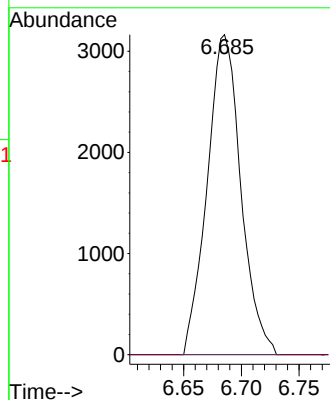
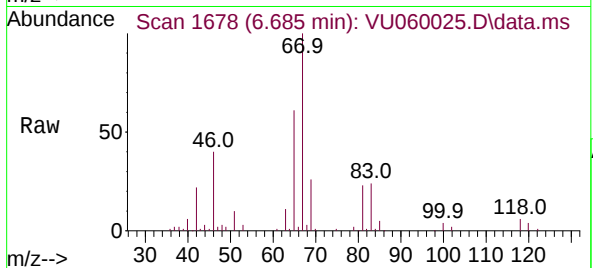




#37
1,2-Dichloropropane
Concen: 0.493 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

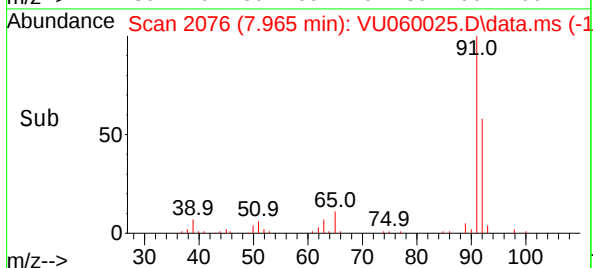
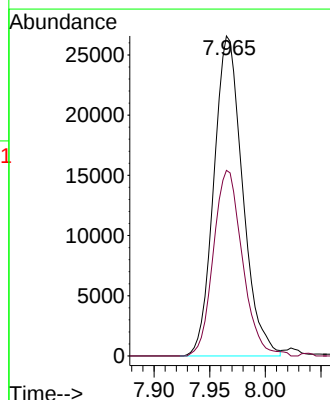
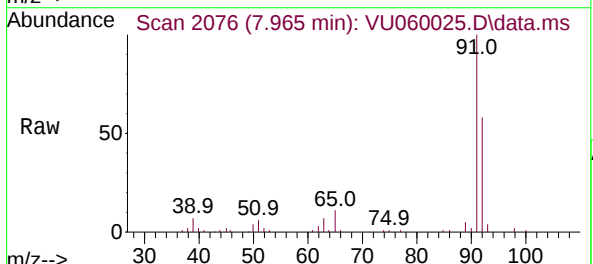
Instrument :
MSVOA_U
ClientSampleId :

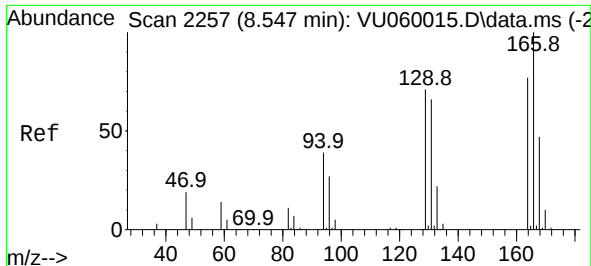
Tgt Ion: 63 Resp: 6428
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#42
Toluene
Concen: 0.930 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Tgt Ion: 91 Resp: 47717
Ion Ratio Lower Upper
91 100
92 58.0 39.8 73.8





#47

Tetrachloroethene

Concen: 0.416 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

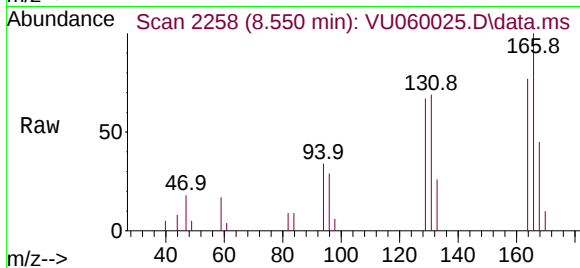
Lab File: VU060025.D

Acq: 18 Jul 2024 18:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 4400

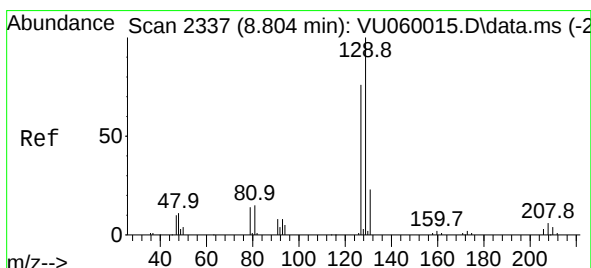
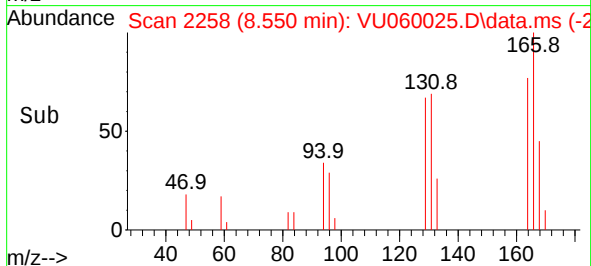
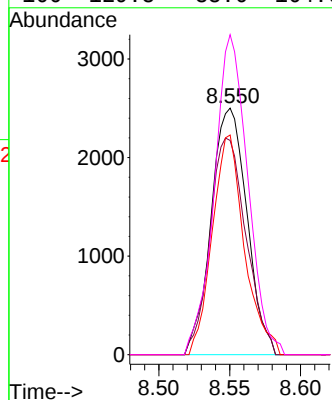
Ion Ratio Lower Upper

164 100

129 86.9 64.6 120.0

131 89.1 61.2 113.8

166 129.8 88.6 164.6



#49

Dibromochloromethane

Concen: 0.354 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU060025.D

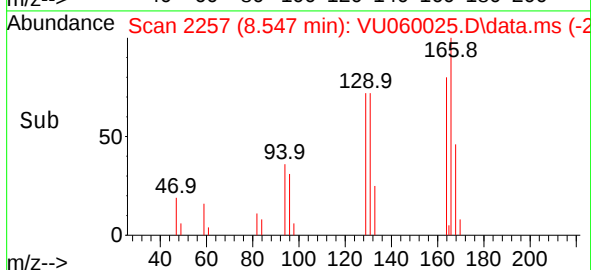
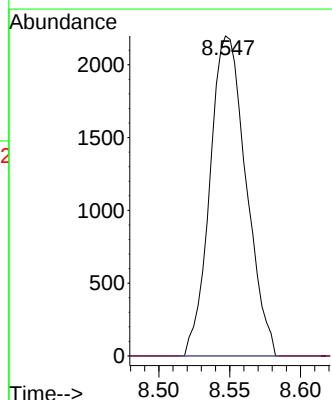
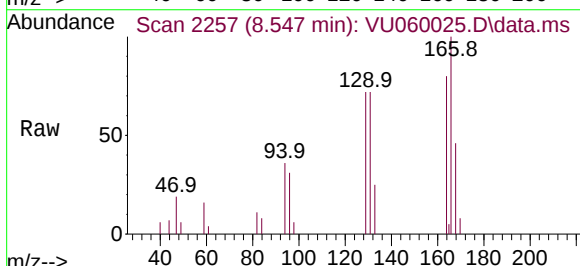
Acq: 18 Jul 2024 18:23

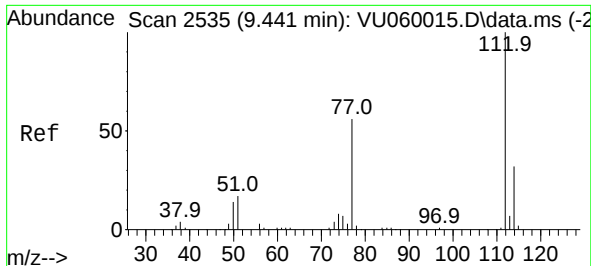
Tgt Ion:129 Resp: 3894

Ion Ratio Lower Upper

129 100

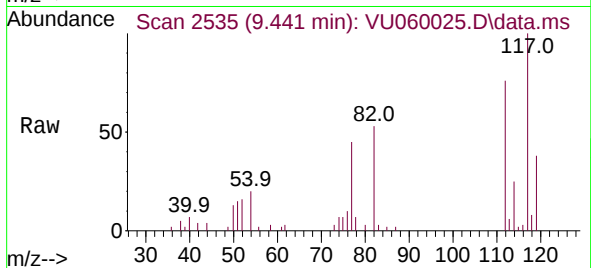
127 0.0 54.6 101.4#



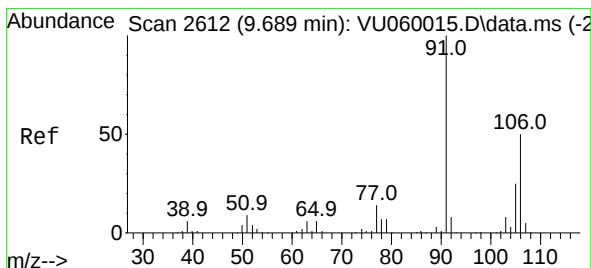
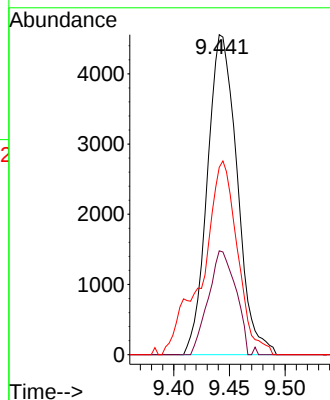
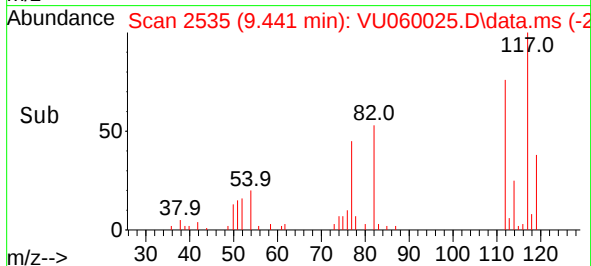


#51
Chlorobenzene
Concen: 0.253 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Instrument :
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ClientSampleId :

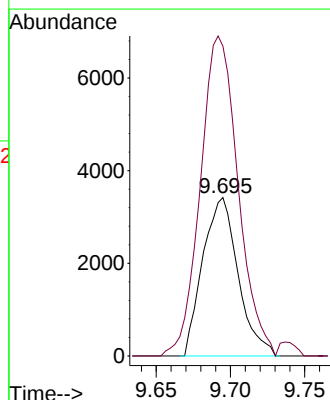
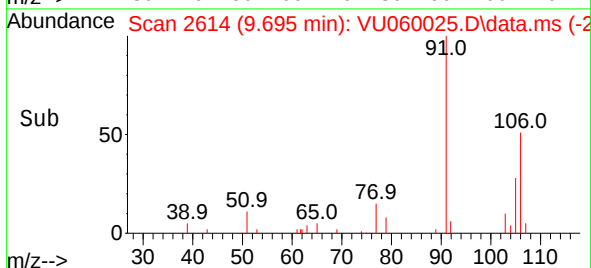
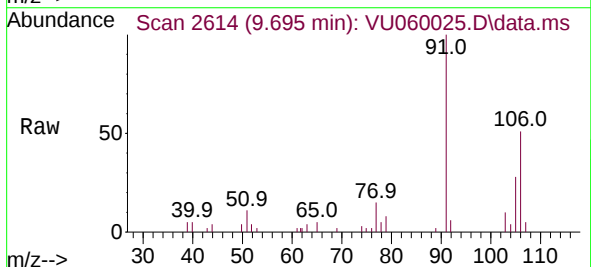


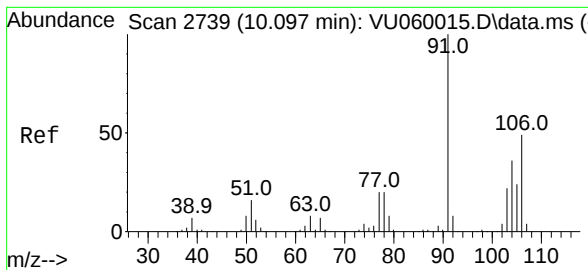
Tgt Ion:112 Resp: 8476
Ion Ratio Lower Upper
112 100
114 30.2 22.1 41.1
77 63.4 44.7 67.1



#53
m,p-Xylene
Concen: 0.286 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Tgt Ion:106 Resp: 5648
Ion Ratio Lower Upper
106 100
91 195.5 141.3 262.5

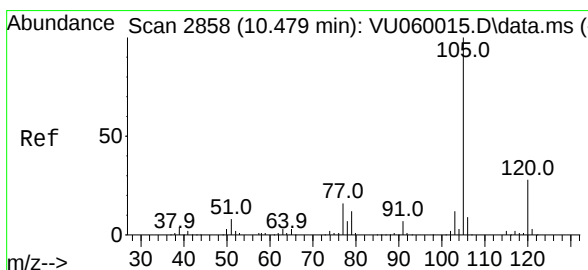
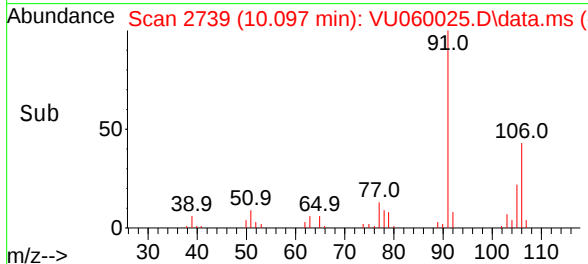
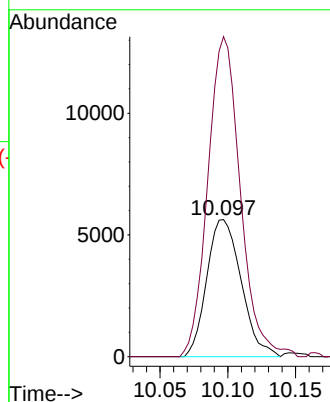
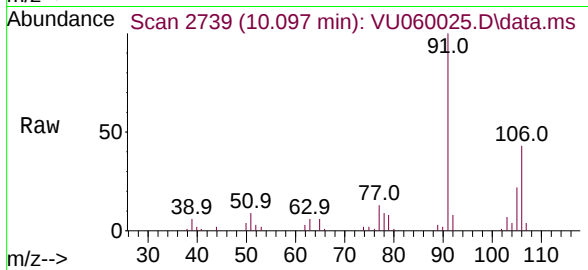




#54
o-Xylene
Concen: 0.526 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

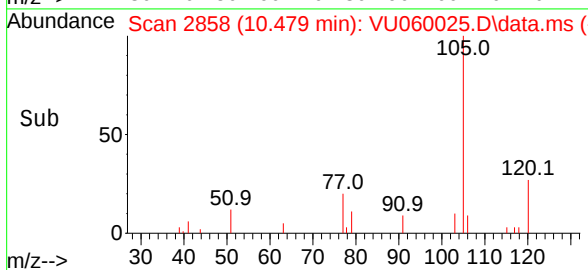
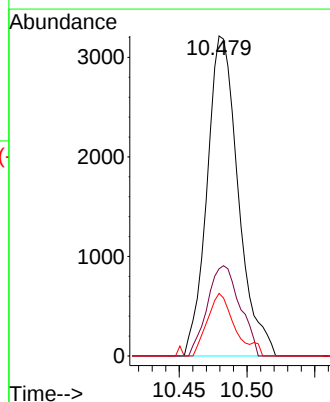
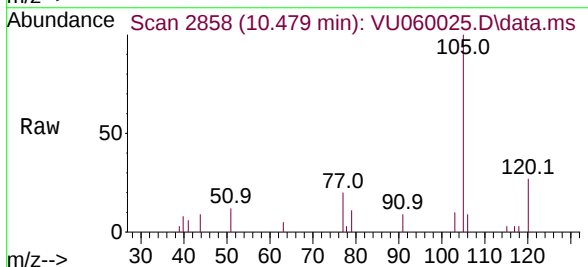
Instrument :
MSVOA_U
ClientSampleId :

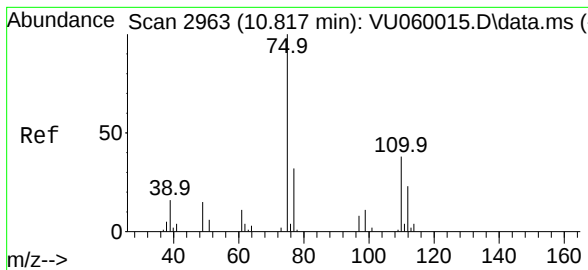
Tgt Ion:106 Resp: 9945
Ion Ratio Lower Upper
106 100
91 233.5 143.6 266.6



#60
Isopropylbenzene
Concen: 0.107 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Tgt Ion:105 Resp: 5139
Ion Ratio Lower Upper
105 100
120 29.5 21.9 32.9
77 17.2 12.1 18.1





#61

1,2,3-Trichloropropane

Concen: 1.150 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU060025.D

Acq: 18 Jul 2024 18:23

Instrument :

MSVOA_U

ClientSampleId :

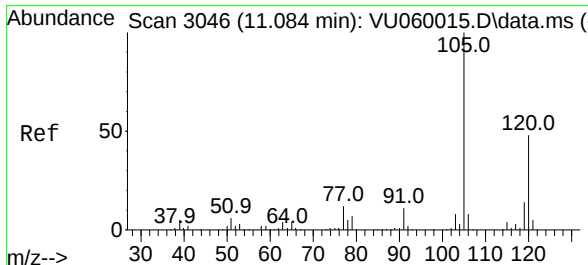
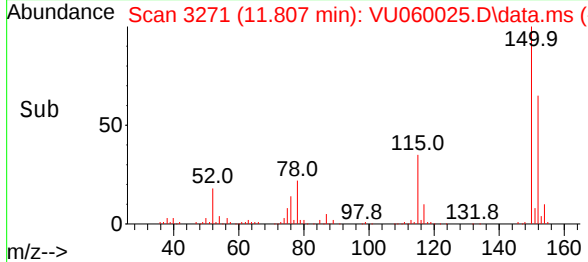
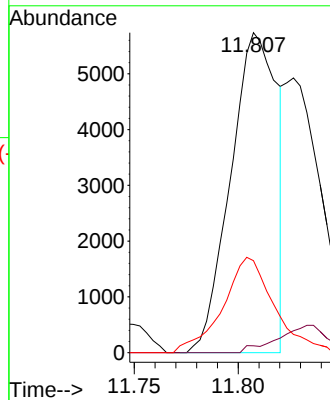
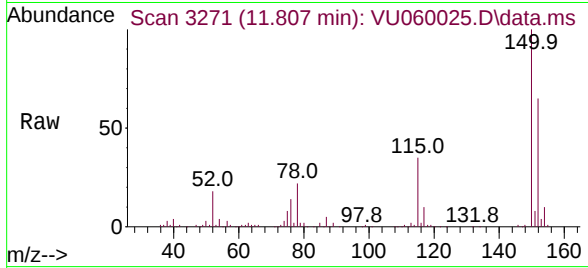
Tgt Ion: 75 Resp: 8923

Ion Ratio Lower Upper

75 100

110 9.4 30.8 46.2#

77 33.0 26.2 39.2



#62

1,3,5-Trimethylbenzene

Concen: 0.413 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU060025.D

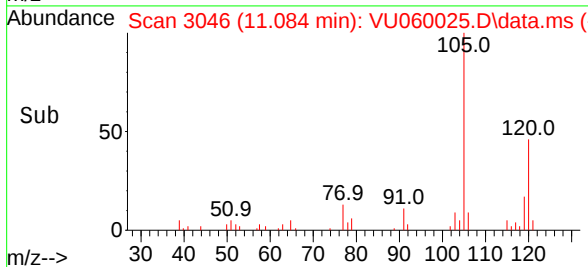
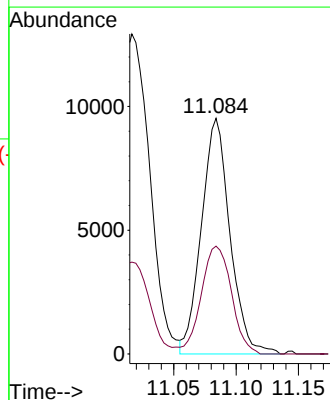
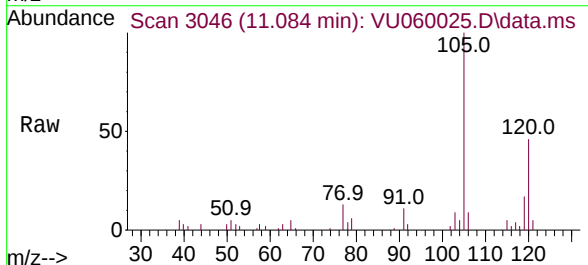
Acq: 18 Jul 2024 18:23

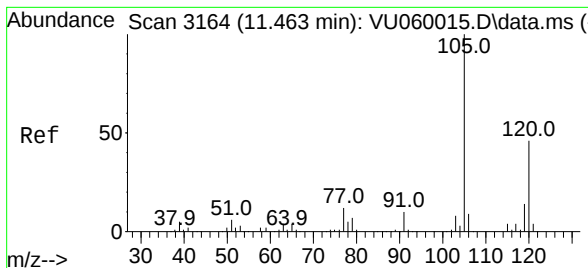
Tgt Ion:105 Resp: 15182

Ion Ratio Lower Upper

105 100

120 48.3 39.4 59.2

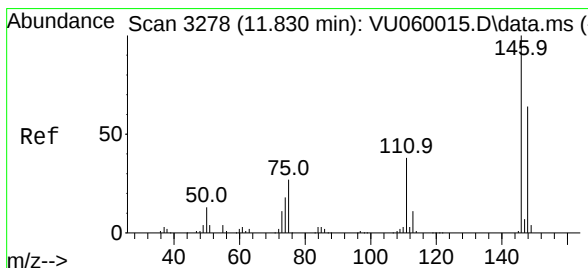
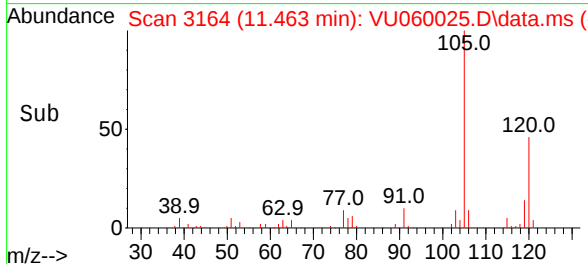
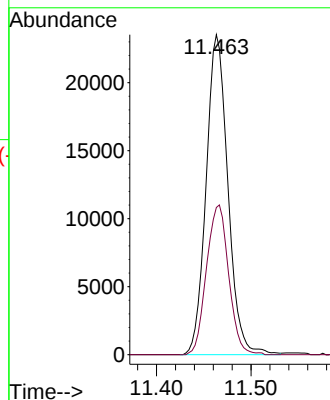
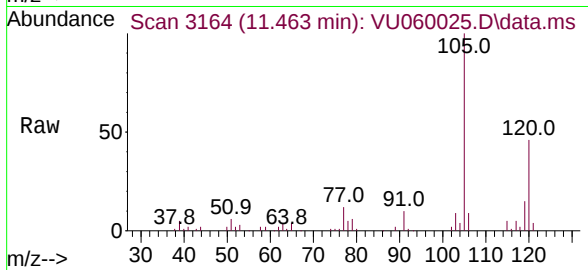




#63
1,2,4-Trimethylbenzene
Concen: 1.060 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

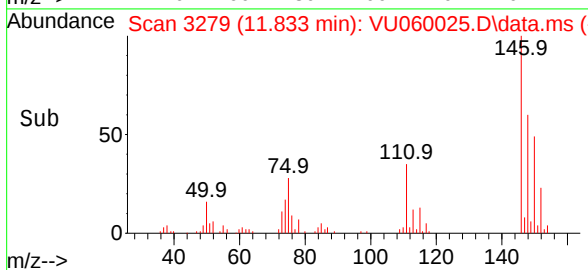
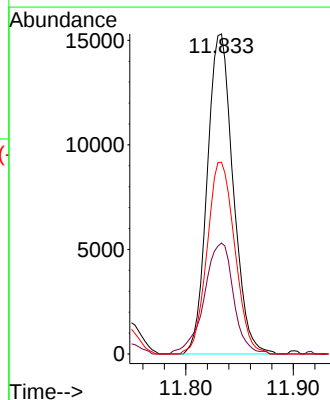
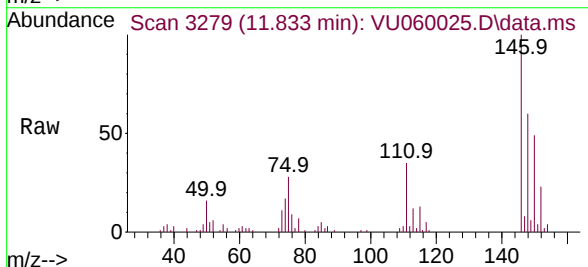
Instrument :
MSVOA_U
ClientSampleId :

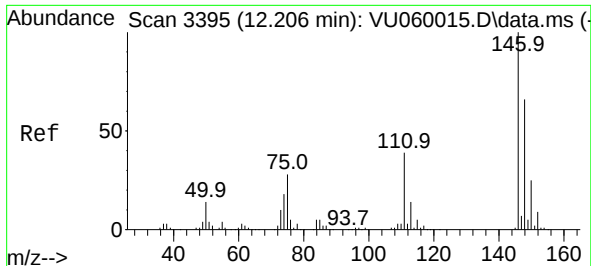
Tgt Ion:105 Resp: 37667
Ion Ratio Lower Upper
105 100
120 47.7 36.7 55.1



#65
1,4-Dichlorobenzene
Concen: 0.971 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU060025.D
Acq: 18 Jul 2024 18:23

Tgt Ion:146 Resp: 25610
Ion Ratio Lower Upper
146 100
111 34.6 26.5 49.1
148 59.9 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 4.409 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU060025.D

Acq: 18 Jul 2024 18:23

Instrument :

MSVOA_U

ClientSampleId :

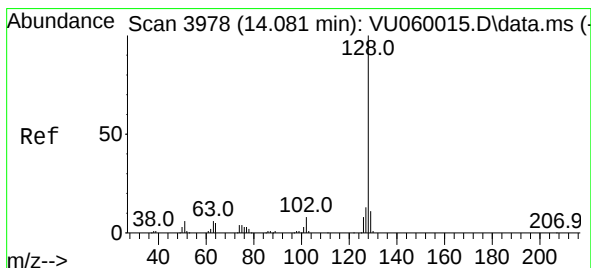
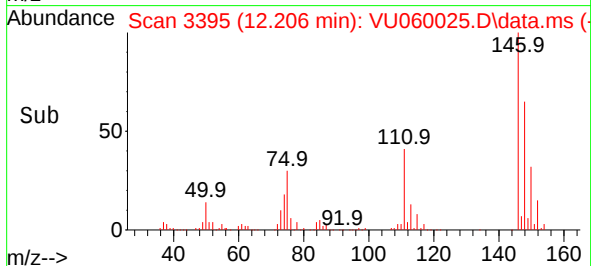
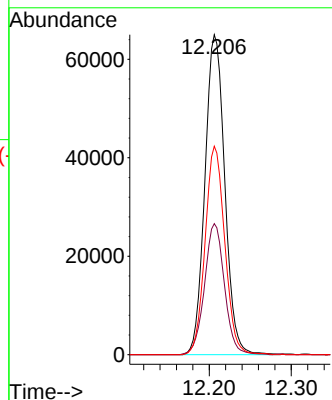
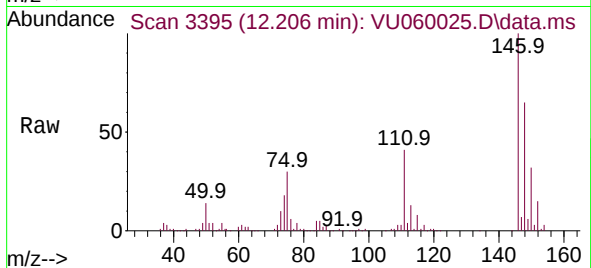
Tgt Ion:146 Resp: 109322

Ion Ratio Lower Upper

146 100

111 41.0 30.9 46.3

148 65.2 49.8 74.8



#71

Naphthalene

Concen: 2.005 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU060025.D

Acq: 18 Jul 2024 18:23

Tgt Ion:128 Resp: 42271

Ion Ratio Lower Upper

128 100

129 11.9 8.2 12.4

127 13.7 10.6 16.0

